

Gulf of Mexico Harmful Algal Bloom Bulletin

26 April 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: April 23, 2007

Conditions Report

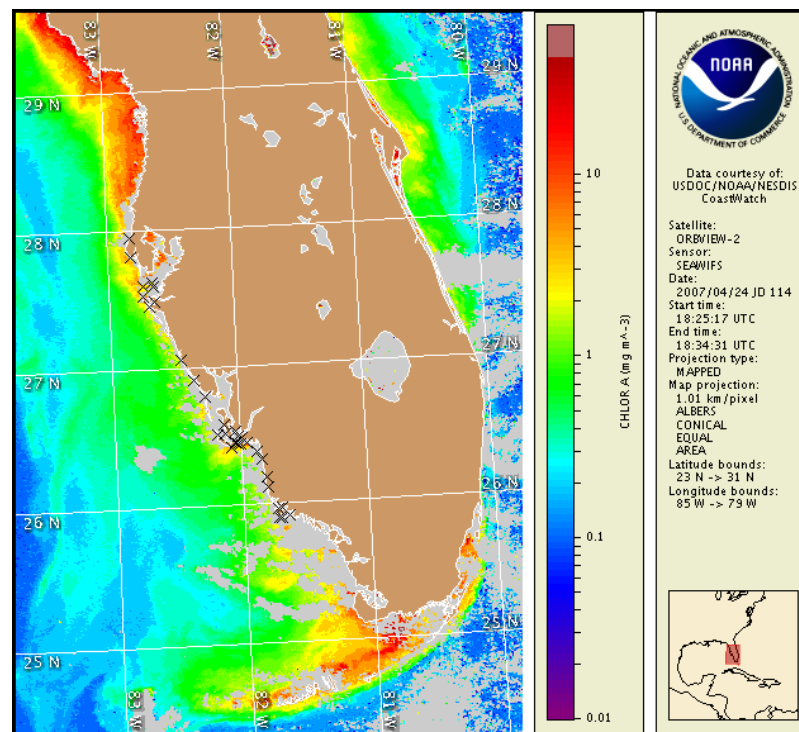
There is no indication of harmful algal bloom presence alongshore Southwest Florida, including the Keys region, at the present time. No impacts are expected in any Florida County today through Sunday.

Analysis

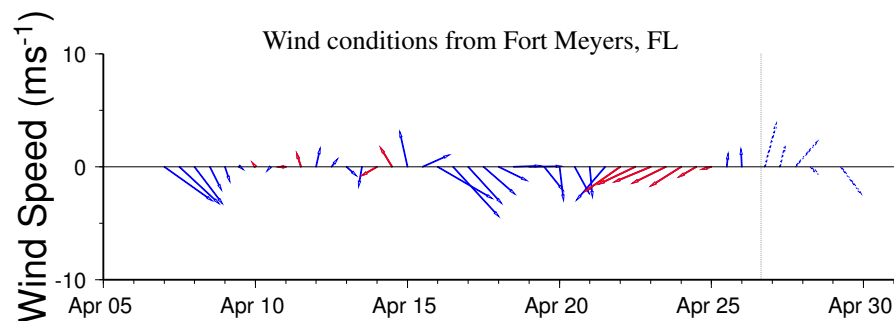
No samples containing above background levels of *Karenia brevis* have been identified alongshore of southwest Florida or in the Lower Florida Keys in approximately four weeks (FWRI, MML).

The elevated chlorophyll patch located south of Cape Romano appears to continue to decrease slightly in concentration ($\sim 2\mu\text{g/L}$). Due to variable winds minimal movement is expected.

Keller, Bronder



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from April 16-24 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

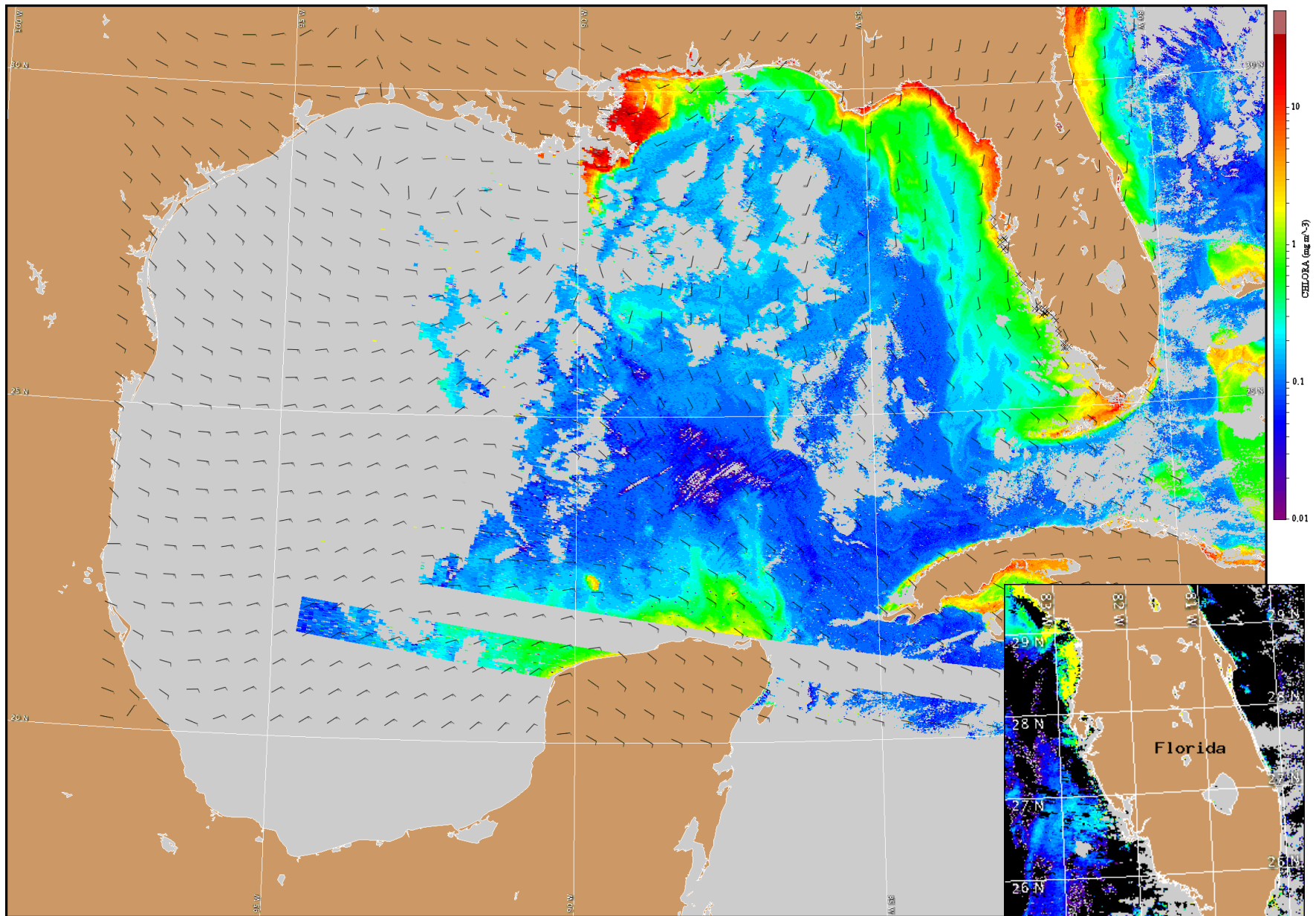


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Southerly winds today through Friday, becoming southwesterly on Friday afternoon (10-15 knots; 5-8 m/s). Variable winds Friday night through Saturday, with northwesterly winds on Saturday night (5-10 knots; 3-5 m/s). Northerly winds on Sunday (10 knots; 5 m/s).

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for April 27, 2007 06Z with cell concentration sampling data from April 16-24 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).